EXPERIENCE THE Magic OF CHANGE

Technology Education Association of Missouri (TEAM)

July 21-23, 2003
Lamplighter Inn South • Springfield

Summer Conference

The Mission

of the Technology Education Programs

The overarching mission of Technology Education in Missouri is to build citizen understanding of, and capability with, technology. This enables students to attain appropriate education/employment objectives, fulfill citizenship responsibilities, and pursue meaningful leisure activities in a technological society. As the new basic, technology education systematically addresses three critically important missions by developing each student's:

• Ability to understand, evaluate, and apply industrial and technological systems.
• Values and attitudes related to the appropriate use and assessment of tools, machines, materials, processes, and products.
• Ability to use and assess technology to achieve constructive work skills and enhance occupational opportunity.

The Goals

of the Technology Education Programs

Students in technology education experience a systematic program that:

• Develops an understanding of, and compatibility with, technology – its processes, materials, equipment, and products.
• Reinforces general education's basic skills.
• Builds basic skills in the safe use of tools, machines, and processes used by industry and technology.
• Develops technological problem-solving and attitudes and fosters creativity.
• Contributes to meaningful occupational choice.
• Encourages cooperative attitudes and constructive work habits that will help secure and maintain employment.
• Develops consumer skills.
• Prepares for entrance into advanced secondary and post-secondary vocational/technical as well as university programs.
• Provides an alternative learning mode.
• Reinforces the free enterprise system and stimulates leadership behavior.

The Scope and Sequence

of the Technology Education Programs

The Missouri Technology Education program is designed to follow the natural pattern of student development by guiding students through a series of courses that progresses through four main levels. All technology education courses reinforce the key basics of Missouri's core disciplines and all provide rich opportunity for interdisciplinary activity.

Level	Description
ONE: Awareness (grades K-6)	Elementary school technology education builds an initial awareness of the technological world by infusing technology-based activities into the regular school curriculum while reinforcing basic mathematics, science, language arts and social studies skills.
TWO: Foundation Building (grades 6-9)	Introduction to technology builds a foundation of technological understanding and capability. Students systematically survey energy and power, materials and processes, and communications technology with demonstrations and practical activities that develop understanding, attitude, skill, and problem-solving capabilities with the tools, machines, and processes of technology.
THREE: Initial and Intermediate Cluster Mastery (grades 9-12)	Exploration of Technology builds on Level Two's foundation by extending the student's depth and breadth in the three clusters of technology: communication technology (including graphics, photography, electronic communication, drafting/CAD, information storage/retrieval), energy and power (including instrumentations, electricity/electronics, transportation, fluid power), and materials and processes (including manufacturing, construction with synthetic and organiz materials).
FOUR: Analysis and Synthesis (grades 9-12)	Analysis and synthesis and/or research and development courses are used to build analytical, synthesizing, and higher-order thinking skill and build depth in key areas of technology. They also offer rich interdisciplinary opportunities. Examples include robotics, digital electronics, biotechnology, and technological problem solving.

The Mission and Vision Statement above can be found on the Missouri Technology Education Information Center located at: www.dese.mo.gov.

TEAM Summer Conference Program

Monday, July 21

8:00 a.m.	*(Choose a time that fits your schedule)* **All Division Electronic Alignment Tool Workshops** *– Kraft Administration Building, 940 North Jefferson*
10:00 a.m.	**All Division Electronic Alignment Tool Workshops** *– Kraft Administration Building, 940 North Jefferson*
1:00 p.m.	**All Division Electronic Alignment Tool Workshops** *– Kraft Administration Building, 940 North Jefferson*
9:30 a.m.	**Missouri ACTE Board of Directors Meeting** *– University Plaza, Oklahoma Room*
11:00 a.m. – 12:00 p.m.	**TEAM Presidents' Advisory** *– Lamplighter Inn Meeting Room* (All Past Presidents of MITE/TEAM are encouraged to attend.)
1:00 – 7:00 p.m.	**Missouri ACTE Conference Registration** *– Jordan Park Ice Arena*
1:00 – 7:00 p.m.	**Exhibits Open** *– Jordan Park Ice Arena*
1:00 – 4:00 p.m.	**TEAM Executive Board Meeting** *– Lamplighter Inn Meeting Room*
4:00 – 5:30 p.m.	**TEAM Committee Meeting** *(as needed)* *– Lamplighter Inn Meeting Room*
6:00 – 7:00 p.m.	**Reception with Exhibitors** *– Jordan Park Ice Arena*
6:30 p.m.	**TEAM Dinner Adventure:** "Circle the Wagons" at the Lamplighter Inn Lobby (Dinner location to be released at departure.)
7:00 – 10:00 p.m.	**Missouri TSA, Inc. Board of Directors Meeting** *– Lamplighter Inn Conference Room*

Tuesday, July 22nd

7:30 a.m.	**TE Grant Awards Program FY 03**
	Post-Service Meeting
	– Lamplighter Inn Meeting Room

If you would like more information about the Technology Education Grant Awards Program, you can view all related information and guidelines on the Missouri Technology Education web site located at: www.dese.mo.gov.

| 8:00 a.m. – 3:00 p.m. | **Exhibits Open** |
| | *– Jordan Park Ice Arena* |

| 8:00 a.m. – 5:00 p.m. | **Missouri ACTE Conference Registration** |
| | *– Jordan Park Ice Arena* |

| 8:00 a.m. | **All Missouri ACTE Committee Meetings** |
| | *– University Plaza Hotel, Colorado Room* |

9:15 – 10:15 a.m.	**Missouri ACTE New Professional Reception**
	– University Plaza, Oklahoma, Illinois and
	Colorado Rooms

| 10:30 a.m. | **Missouri ACTE Opening General Session** |
| | *– University Plaza Convention Center* |

1:00 – 2:15 p.m.	**TEAM General Business Meeting and Elections**
	– Lamplighter Inn Meeting Room
	Jerry Foerschler, Harrisonville High School,
	Presiding

2:30 – 3:15 p.m.	**News from Capital Hill (DESE Update)**
	– Lamplighter Inn Meeting Room
	Doug Miller, State TE Supervisor and TSA Advisor

3:30 – 5:00 p.m.	**TE GAP 03 Technology Festival**
	– Lamplighter Inn Meeting Room
	Ted Wilkinson, Host

6:00 – 9:00 p.m.	**TEAM Recognition Dinner**
	(Information and maps can be picked up at the
	Lamplighter Inn or TEAM General Business
	Meeting. All past and current TEAM/MITEA
	members are encouraged to attend.)

TEAM Professional Development Workshops *(SMSU Campus)*

7:30 – 8:20 a.m.   TEAM Wake-up Reception
                                  – Carrington Hall Auditorium, Room 208

8:30 – 9:20 a.m.   TEAM Opening General Session
                                    – Carrington Hall Auditorium, Room 208
                                    Ted Wilkinson, Presiding
                                    TEAM Awards, Presentations, and Announcements

Break Out Sessions

9:30 – 10:30 a.m. • First Break Out Session

- **TSA Competitive Events (video of events, prototypes and tips)**
  – Karls Hall, Room 102

- **CNC Wood Production: Lathes** (Dustin Spieth, DEPCO, Inc.)
  – Karls Hall, Room 106

- **The Newly Revised TE Guide** (Mike Wright and Ben Yates, CMSU)
  – Karls Hall, Room 235

- **The Roland Scanner/Cutter CNC Machine and ArtCamm Software**
  (Doug Blackmore, Midwest Educational Technologies)
  – Karls Hall, Room 109

- **Virtual Hands-On Technology Training** (Joe Simmons, Intelitek)
  – Karls Hall, Room 236

- **The Parkes System** (Nelson Parkes)
  – Ozark Middle School (Double Session)

- **Project Finishing Center on a Tight Budget** (Dave Thompson, Midwest
  Shop Supply)
  – Karls Hall, Room 107

10:45 – 11:45 a.m. • Second Break Out Session

- **Roberts Rules of Order: Parliamentary Procedure Made Easy**
  (Under direction of TSA Leadership Team)
  – *Karls Hall, Room 102*

- **CNC Wood Production: Lathes** (Dustin Spieth, DEPCO, Inc.)
  – *Karls Hall, Room 106*

- **The Newly Revised TE Guide** (Dr. Michael Wright and Ben Yates, CMSU)
  – *Karls Hall, Room 235*

- **The Roland Scanner/Cutter CNC Machine and ArtCammSoftware**
  (Doug Blackmore, Midwest Educational Technologies)
  – *Karls Hall, Room 109*

- **Virtual Hands-On Technology Training** (Joe Simmons, Intelitek)
  – *Karls Hall, Room 236*

- **Project Finishing Center on a Tight Budget** (Dave Thompson, Midwest
  Shop Supply)
  – *Karls Hall, Room 107*

- **Computer Certification Curriculum and Trainers** (Bill Gill and Associates,
  Marcraft International)
  – *Karls Hall, Room 104*

- **Almost Free 3D CAD Modeling Software** (Stephen Yaffe, Pro/DESKTOP)
  – *Karls Hall, Room 232*

11:45 a.m. – 12:45 p.m. • Lunch

12:45 – 1:45 p.m. • Second Break Out Session *(Continued)*

- **Getting Started in TSA and Surviving State and National Events**
  (TSA Leadership Team)
  – *Karls Hall, Room 102*

- **CNC Wood Production: Lathes** (Dustin Spieth, DEPCO, Inc.)
  – *Karls Hall, Room 106*

- **The Newly Revised TE Guide** (Dr. Michael Wright and Ben Yates, CMSU)
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  – *Karls Hall, Room 232*

2:00 – 3:00 p.m. • Third Break Out Session

- **TSA Advisor General Business Meeting** (TSA Board of Directors)
  – *Karls Hall, Room 102*
  (All TSA Advisors should attend.)

- **CNC Wood Production: Lathes** (Dustin Spieth, DEPCO, Inc.)
  – *Karls Hall, Room 106*

- **The Newly Revised TE Guide** (Dr. Michael Wright and Ben Yates, CMSU)
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- **The Roland Scanner/Cutter CNC Machine and ArtCamm Software** (Doug Blackmore, Midwest Educational Technologies)
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  – *Karls Hall, Room 232*

3:30 p.m.	**House of Delegates Meeting** *– University Plaza, Arizona Room*
3:30 – 5:00 p.m.	**TE GAP FY-04 Pre-Service** *– University Plaza, Arizona Room* Doug Miller, DESE
4:30 – 5:30 p.m.	**Legal Issues Facing Teachers** *– University Plaza, Arizona Room*
4:00 p.m.	**TEAM Golf Round Up** (All Hackers at Missouri ACTE are invited to join in. Information, location, and maps may be picked up at the Lamplighter Inn, TEAM General Business Meeting, or TEAM Opening General Session.)

2003-2004 Missouri Institute for Technology Education

7:00 – 10:00 p.m.	Registration, Reception and Dinner *– Lamplighter Inn South*
8:30 p.m.	**All Division Social** *– Remington's Entertainment Complex* *1655 W. Republic Road*

Thursday, July 24

2003-2004 Missouri Institute for Technology Education

8:30 – 11:30 a.m.	Workshop Activities *(Lamplighter Inn South)*
11:30 a.m. – 12:30 p.m.	Lunch *(Lamplighter Inn South)*
12:30 – 4:00 p.m.	Workshop Activities *(Lamplighter Inn South)*
1:00 p.m.	**Missouri ACTE Board of Directors Meeting** *– University Plaza, Colorado Room*

Summer Conference Concluded

Friday, July 25

2003-2004 Missouri Institute for Technology Education

8:30 – 11:30 a.m.	Workshop Activities *(Lamplighter Inn South)*
11:30 a.m. – 12:30 p.m.	Lunch *(Lamplighter Inn South)*
12:30 – 4:00 p.m.	Workshop Activities *(Lamplighter Inn South)*

Saturday, July 26

8:30 a.m. – 12:00 p.m.   Workshop Activities *(Lamplighter Inn South)*

Calendar of Conferences

2003-2004

October 2-4, 2003
TSA Fall Leadership Connections Conference
Osage Beach, Misssouri

November 8, 2003
TEAM Fall Conference
Warrensburg, Missouri

December 11-14, 2003
ACTE Conference
Orlando, Florida

March 17-20, 2004
ITEA Conference
Albuquerque, New Mexico

April 1-3, 2004
TSA Spring Conference
Warrensburg, Missouri

April 3, 2004
TEAM State Awards Program and Contest
Warrensburg, Missouri

June 20-24, 2004
TSA National Conference
Nashville, Tennessee

July 26-28, 2004
Missouri ACTE Summer Conference
Springfield, Missouri

July 28-31, 2004
Fourth Annual MITE Conference
(Missouri Institute for Technology Education)
Springfield, Missouri

Executive Board

Technology Education Association of Missouri

2002-2003

Jerry Foerschler ....President
Ted Wilkinson ....President-Elect
Keith Stayton..Secretary
Mark Arnold..Treasurer
Rick Carleton .... Past President
Joe Burke.. ACTE/TED President
Doug Miller ....State Supervisor
Gary Duncan...ITEA Vice President
John Petsch .... TEAM Awards Program Chair
Carter Fawkes .... Web site Chair
Don Bradshaw.. TEAM Consultant

Missouri TSA

Missouri Technology Student Association

2003-2004

Laura McGowan .... President
Kevin Brackett ....Vice President
Laine Shay...Secretary
Greg Utz... Treasurer
Denton Berry.. Sergeant-at-Arms
Rachel Cook .... Reporter
Erica Conner .... District 1 Representative (Northeast)
Chris Smith ....District 2 Representative (St. Louis)
Jonathan Hawkins .... District 3 Representative (Suburban St. Louis)
RJ Weiman .... District 4 Representative (Southeast)
John LeCoque ....District 5 Representative (Central)
Janay Andrews............................... District 6 Representative (Southwest)
Derik Herman .... District 7 Representative (Suburban KC)
John Westbrook........................... District 8 Representative (Kansas City)
Blake Cahill ....District 9 Representative (Northwest)

Board of Directors

Missouri Technology Student Association, Inc.

2003-2004

Charles Riggs.. President
Dan Busekrus... Immediate Past President
John Milholland .... President-Elect
Robin Heilig... Secretary/Treasurer
Laura McGowan... Student President
Jim Hogan...Middle School Representative
Scott Vitek...High School Representative
Ben Yates.. University Representative
Vacant ....Elementary Representative
Corey Felten... Corporate Member
Bill Craine .... Corporate Member
Doug Miller... State Advisor

DESE

Missouri Department of Elementary and Secondary Education

Industrial, Engineering Technology, and Health Science Education Section Team

Gavin Allan .... Director
Doug Miller................................ Supervisor, Technology Education and
TSA State Advisor
Robert Hess...........................Supervisor, Trade and Industrial Education
Paul Light........................Supervisor, Trade and Industrial Education and
State Director, Missouri SkillsUSA-VICA
Ellen Smith .... Supervisor, Customized Training
Shelly Wehmeyer...Health Sciences Education
Henrietta Fennewald ....Secretary
Deborah Landon ....Secretary

MITE

Missouri Institute for Technology Education

(Contingent on the approval of the FY-2004 Budget)

The Missouri Institute for Technology Education (MITE) is designed to assist Missouri public schools in their transition from industrial arts, industrial technology, and other academic disciplines to technology education. The Institute is a year-long activity that includes an initial one-week summer workshop and two "callback" sessions throughout the school year. After successful completion of the program, participants will receive three (3) credits from Central Missouri State University.

Due to changes in the field of technology education, and the release of the national standards for technological literacy: Content for the Study of Technology in March of 2000, our industrial technology instructors will be provided information on:

1. Alignment of local curriculum with state and national standards;
2. Implementation of technology education rationale and program structure;
3. Incorporation of design and engineering principles through technology education;
4. Incorporation of the Technology Student Association into the curriculum;
5. Data collection (accountability) for technology education students and programs; and
6. Integration of math, science and other subjects with technology education.

The Institute will incorporate nationally recognized instructors who will assist with the delivery of the content. These master teachers not only assist in the total group delivery, but also facilitate small group interaction.

The Institute is a Department of Elementary and Secondary Education contracted partnership with Central Missouri State University. Dr. Michael Wright, Coordinator for Technology and Occupational Education, and Mr. Ben Yates serve as the Institute's co-directors. You can access the administrator's memo and the application at: www.dese.mo.gov/divvoced/teched_mite.htm.

For more information on Missouri's Institute for Technology Education, please contact:

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Change has a considerable psychological impact on the human mind. To the fearful it is threatening, because it means that things may get worse. To the hopeful it is encouraging, because things may get better. To the confident it is inspiring, because the challenge exists to make things better.

– King Whitney Jr.